



Interoffice Memo  
Office of Design Policy & Support

**DATE:** 5/24/2019

**FILE:** P.I.# 0014905  
Polk County / GDOT District 6 - Cartersville  
Bridge Replacement – SR1BU / US 27 / Martha Berry Highway @ Cedar  
Creek Tributary in Cedartown

**FROM:**  Brent Story, State Design Policy Engineer

**TO:** SEE DISTRIBUTION

**SUBJECT:** APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering  
Joe Carpenter, Director of P3  
Albert Shelby, Director of Program Delivery  
Carol Comer, Director, Division of Intermodal  
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator  
Kim Nesbitt, Program Delivery Administrator  
Bobby Hilliard, Program Control Administrator  
Paul Tanner, State Transportation Planning Administrator  
Eric Duff, State Environmental Administrator  
Bill DuVall, State Bridge Engineer  
Andrew Heath, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Erik Rohde, State Project Review Engineer  
Monica Flournoy, State Materials Engineer  
Patrick Allen, State Utilities Engineer  
Eric Conklin, State Transportation Data Administrator  
Attn: Systems & Classification Branch  
Benny Walden, Statewide Location Bureau Chief  
Grant Waldrop, District Engineer  
David Acree, District Preconstruction Engineer  
Jun Birnkammer, District Utilities Manager  
Jeff Henry, Project Manager  
BOARD MEMBER - 14th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
LIMITED SCOPE PROJECT CONCEPT REPORT**

Project Type: <u>Bridge Replacement</u>	P.I. Number: <u>0014905</u>
GDOT District: <u>District 6</u>	County: <u>Polk</u>
Federal Route Number: <u>US-27 BUS</u>	State Route Number: <u>1 BUS</u>
Project Number: _____	N/A

The proposed project will replace the bridge carrying SR 1/US 27/Martha Berry Highway over Cedar Creek Tributary in Cedartown.

**Submitted for approval:**

*Concept Report resubmitted 05/08/2019*

<u>Samuel L Powell</u> Long Engineering, Inc.	<u>11/16/18</u>
Consultant Designer & Firm <u>Humberly W. Jacobett</u>	Date <u>11/28/18</u>
State Program Delivery Administrator _____	Date _____
GDOT Project Manager <u>[Signature]</u> <u>SHP C.L.B.</u>	Date <u>11/28/18</u>
	Date _____

**Recommendation for approval: *\*Recommendations are on On File***

<u>Eric Duff (OB)</u>	<u>11/30/2018</u>
State Environmental Administrator	Date _____
<u>Christopher Raymond (OB)</u>	<u>12/13/2018</u>
for State Traffic Engineer	Date _____
<u>Bill DuVall (OB)</u>	<u>12/26/2018</u>
State Bridge Engineer	Date _____
<u>Grant Waldrop (OB)</u>	<u>12/13/2018</u>
District Engineer	Date _____

- ☐ MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).
- ☒ Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

<u>R. Paul Jenner</u>	<u>12-3-18</u>
State Transportation Planning Administrator	Date _____

**Approval:**

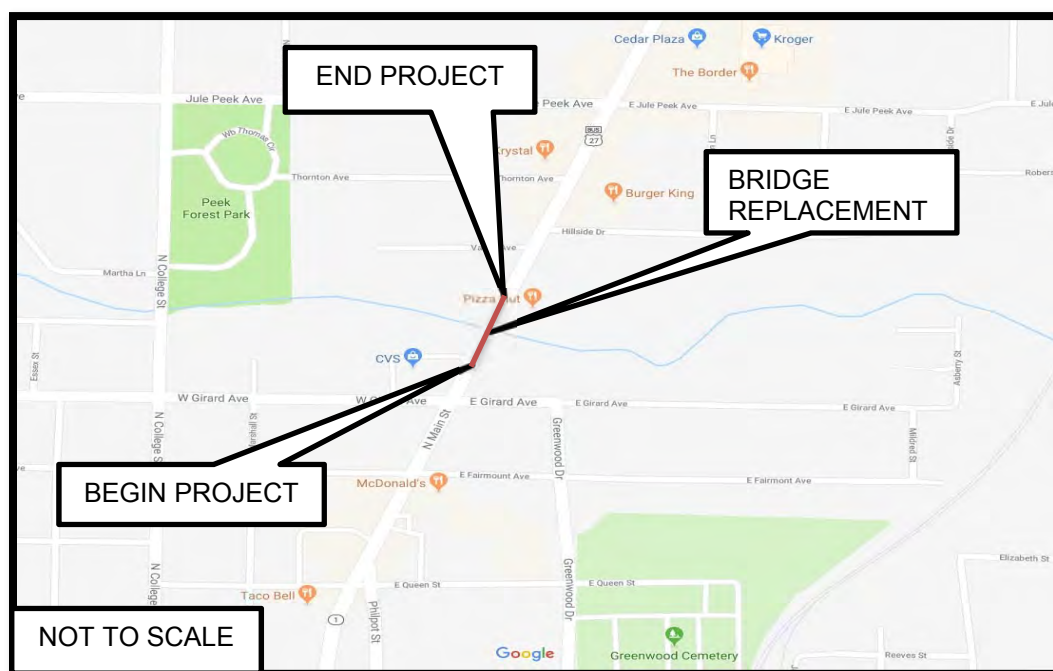
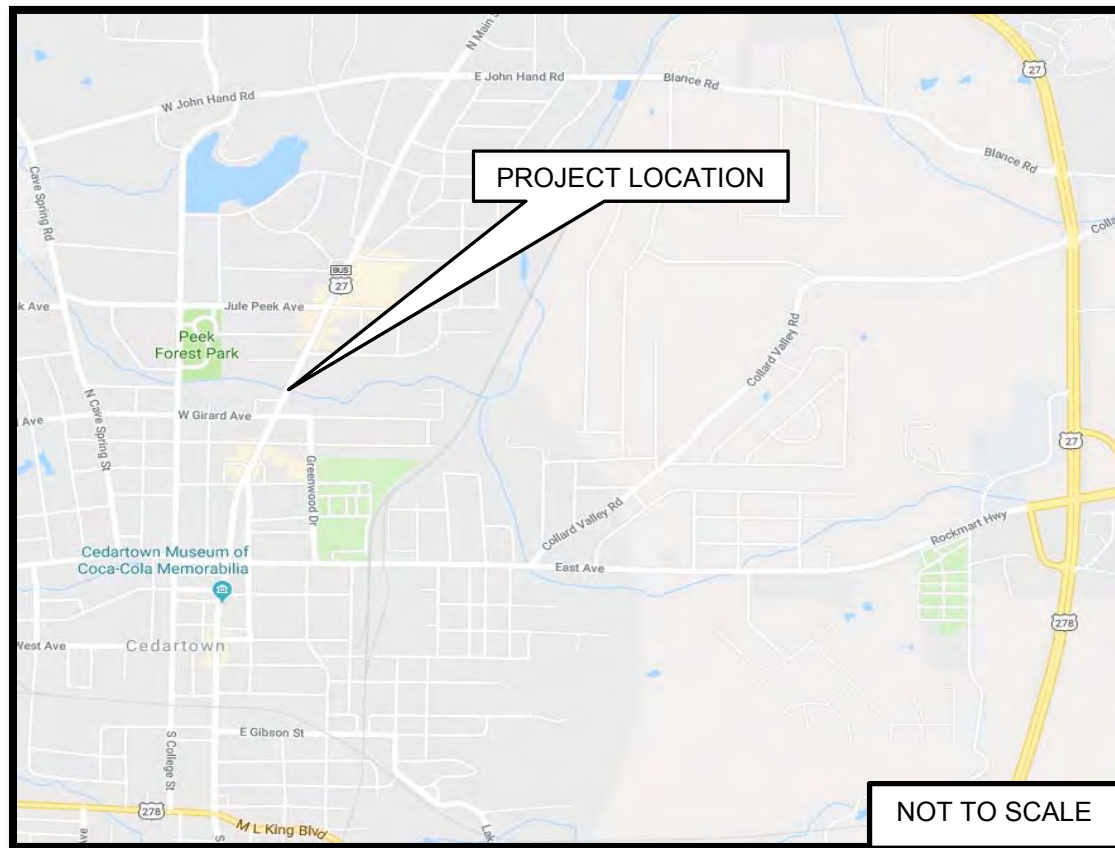
Concur: <u>Hied Brill</u>	<u>5-19-19</u>
GDOT Director of Engineering	Date _____

Approve: <u>Margaret B. Pikel</u>	<u>5/24/19</u>
GDOT Chief Engineer	Date _____

**Recommendations are on file for the following as well:**

<u>Joshua Taylor, Assistant State Project Review Engineer (OB)</u>	<u>02/06/2019</u>
<u>Stevonn Dilligard, Utility Preconstruction Specialist (OB)</u>	<u>03/01/2019</u>
<u>Monica Flournoy, State Materials Engineer (OB)</u>	<u>12/17/2018</u>

## PROJECT LOCATION MAP



**Bridge Replacement on SR 1/US 27 over Cedar Creek**  
**POLK COUNTY, GA**  
**PI # 0014905**



## PLANNING & BACKGROUND DATA

### Project Justification Statement (Preparer - GDOT Bridge Office):

The bridge on SR 1 (US 27 Business) over Cedar Creek Tributary, Structure ID 233-0004-0, was built in 1938 and widened in 1949. This bridge consists of one (1) span of Reinforced Concrete Deck Girders (RCDG's) on concrete pier abutments. This bridge was designed using an H-15 vehicle, which is below current design standards. A structural analysis shows there is a low reserve capacity in the superstructure of this bridge. The overall condition of this bridge would be classified as fair. The deck is in good condition. The superstructure is in fair condition with cracking with efflorescence and spalls with exposed rebar in the RCDG's. The substructure is in satisfactory condition with minor cracking in the concrete pier walls. This bridge is classified as having an unknown foundation and there are signs of scour at the abutments. Due to the age of the structure, structural integrity of the bridge pertaining to the design vehicle, and the unknown foundation of the substructure, replacement of this bridge is recommended.

**Existing Conditions:** Bridge ID 233-0004-0 is located on SR 1/US 27 BUS where it crosses Cedar Creek in Polk County, in downtown Cedartown, GA. The bridge is a single-span structure that is 52.0 feet wide and 34.0 feet long with 11 ft travel lanes and a 14 ft center turn lane. SR 1/US 27 BUS is a 3-lane arterial road with 11 ft travel lanes and a 14 ft center turn lane. Curb and gutter with sidewalks are adjacent to each travel lane. Multiple utilities are buried close to the bridge and power poles are adjacent as well. The bridge cross-slope is normal crown with a posted speed limit of 35 mph. Local businesses are closely located north and south of the bridge.

### Other projects in the area:

PI 0016106 - SR 6 @ SR 100

PI 0014906 - SR 1/US 27 OVER LAKE CREEK BRIDGE REPLACEMENT

**MPO:** N/A - not in an MPO

**TIP #:** N/A

**Congressional District(s):** 14

**Federal Oversight:** ☐PoDI ☒Exempt ☐State Funded ☐Other

**Projected Traffic:** ADT 24 HR T: 3.0%  
Current Year (2018): 15,800 Open Year (2022): 16,350 Design Year (2042): 18,075  
Traffic Projections Performed by: Moreland-Altobelli, LLC.  
Date approved by the GDOT Office of Planning: August 8, 2018

**Functional Classification (Mainline):** Urban Principal Arterial

### Complete Streets - Bicycle, Pedestrian, and/or Transit Standards Warrants:

Warrants met: ☐None ☐Bicycle ☒Pedestrian ☒Transit  
(OB) *Pedestrian - #1 (Existing Sidewalk network)*  
*Transit - #1 (Cedartown has transit On-demand services)*

### Pavement Evaluation and Recommendations

Initial Pavement Evaluation Summary Report Required? ☒No ☐Yes  
Feasible Pavement Alternatives: ☒HMA ☐PCC ☐HMA & PCC



## DESIGN AND STRUCTURAL

### Description of Proposed Project:

This project would replace the existing bridge over Cedar Creek Tributary with a new structure meeting current design standards and new roadway approaches. The project is approximately 149 feet long and begins approximately 65 ft. southwest of the existing bridge and ends 65 ft. northeast of the existing bridge. The proposed mainline will consist of two 11 foot travel lanes, one 14 foot center turn lane with curb and gutter and sidewalks throughout the project. It is anticipated the bridge will be closed to traffic and reconstructed in the existing location with an offsite detour. There are multiple utilities in the area that may need to be relocated for this project. Temporary access will be provided to the adjacent driveways. The design speed is 35 mph.

### Major Structures:

Structure ID	Existing	Proposed
233-0004-0	Length: 34.00 feet; Width: 52.00 feet 2-11 foot lanes w/ curb; 1-14 foot center turn lane; 5 foot sidewalks; Existing Bridge has 1-Span Tee Beam	Length: 44.00 feet; Width: 54 feet 3 inches, 1-span; 2-11 foot lanes w/ curb & gutter; 14 foot center turn lane; 5 foot 6 inches sidewalk each side.

**Accelerated Bridge Construction (ABC) techniques anticipated:** ☒ No ☐ Yes

There is minimal to no value gained from ABC methods in terms of savings of cost and/or schedule for this bridge replacement project. The urban nature of this project and the proposed structure type, Box-Beams with PIP deck and abutments and HMA overlay, being used to limit right-of-way impact to commercial properties along with the existing underground utilities such as; fiber optics, water and sewer lines, gas lines and overhead power creates a potential complex construction environment.

### Mainline Design Features: *SR 1/US 27 over Cedar Creek*

Feature	Existing	Policy	Proposed
<b>Typical Section</b>			
- Number of Lanes	2		2
- Lane Width(s)	11 feet	11 - 12 feet	11 feet
- Median Width & Type	14 feet flush; HMA	14 feet	14 feet flush; HMA
- Border Area Width	5 feet	10-16 feet	10 feet
- Border/Outside Shoulder Slope	6%	2%	2%
- Inside Shoulder Width	N/A	N/A	N/A
- Sidewalks	5 feet	5 feet	5 feet
- Auxiliary Lanes	N/A		N/A
- Bike Accommodations	N/A	N/A	N/A
Posted Speed	35 mph		35 mph
Design Speed	35 mph	35 mph	35 mph
Minimum Horizontal Curve Radius	Tangent	Tangent	Tangent
Maximum Superelevation Rate	N/A	4%	N/A
Maximum Grade	N/A	7 %	4%
Access Control	Permit	Permit	Permit
Design Vehicle	H-15		WB-67
Pavement Type	Asphalt		Asphalt

\*According to current GDOT design policy if applicable

Edits by OB

County: Polk

Is the project located on an NHS roadway? ☐ No ☒ YesDesign Exceptions/Design Variances to GDOT and/or FHWA Controlling Criteria anticipated:  
NONE

Design Variances to GDOT Standard Criteria anticipated: None

Lighting required: ☒ No ☐ YesOff-site Detours Anticipated: ☐ No ☐ Undetermined ☒ YesIf yes: Roadway type to be closed: ☐ Local Road ☒ State RouteDetour Route selected: ☐ Local Road ☒ State RouteDistrict Concurrence w/Detour Route: ☐ No/Pending ☒ Received (OB)

A Detour Open House is being scheduled for this project. *A meeting was held with City of Cedartown and stakeholders on April 30, 2019 to discuss the proposed off-site detour route. The stakeholders expressed support of the project and proposed off-site detour along with identifying coordination items during construction.*

Transportation Management Plan [TMP] Required: ☐ No ☒ YesIf Yes: Project classified as: ☒ Non-SignificantTMP Components Anticipated: ☒ TTC

## INTERCHANGES AND INTERSECTIONS

Major Interchanges/Intersections: None

Intersection Control Evaluation (ICE) Required: ☒ No ☐ YesRoundabout Peer Review Required: ☒ No ☐ Yes ☐ Completed – Date:

## UTILITY AND PROPERTY

Railroad Involvement: N/A

### Utility Involvements:

Atlanta Gas Light – Gas

Parker Fibernet - Fiber Optics

AT&amp;T – Georgia – Telecommunications

City of Cedartown – Water &amp; Sewer

Georgia Power Distribution – Electric Distribution

SUE Required: ☐ No ☒ YesPublic Interest Determination Policy and Procedure recommended? ☐ No ☒ Yes (OB)Right-of-Way: Existing width: 70 feet Proposed width: 110 feetRequired Right-of-Way anticipated: ☐ None ☒ Yes ☐ UndeterminedEasements anticipated: ☐ None ☐ Temporary ☒ Permanent ☐ Utility ☐ Other

Anticipated total number of impacted parcels:	<u>5</u>
Displacements anticipated:	Businesses: <u>0</u>
	Residences: <u>0</u>
	Other: <u>0</u>
Total Displacements:	<u>0</u>

\*Permanent Easements will need to be bought with the right to place utilities.

Impacts to USACE property anticipated? ☒ No ☐ Yes ☐ Undetermined

County: Polk

**CONTEXT SENSITIVE SOLUTIONS/CON SOLUTIONS****Issues of Concern:** None**Context Sensitive Solutions Proposed:** None**ENVIRONMENTAL AND PERMITS****Anticipated Environmental Document:**

**NEPA:** ☐ PCE ☒ CE ☐ EA-FONSI  
**GEPA:** ☐ Type A ☐ Type B ☐ None

**Level of Environmental Analysis:**

- ☐ The environmental considerations noted below are based on preliminary desktop or screening level environmental analysis and are subject to revision after the completion of resource identification, delineation, and agency concurrence.
- ☒ The environmental considerations noted below are based on the completion of resource identification, delineation, and agency concurrence.

**Water Quality Requirements:**

**MS4 Compliance – Is the project located in an MS4 area?** ☒ No ☐ Yes

**Is Non-MS4 water quality mitigation anticipated?** ☒ No ☐ Yes

**Environmental Permits, Variances, Commitments, and Coordination Anticipated:**

- Will need CWA Sec. 404 permit and coordination for impacts to Cedar Creek Tributary associated with the bridge piers.
- A buffer variance is not anticipated to be required for the additional 2 foot 3 inches width of the bridge.
- Coordination under ESA Sec. 7 (T&E species) Informal consultation is anticipated to be required.
- Coordination under Section 106 of National Historic Preservation Act and Section 4(f) of Dept. of Transportation Act is not anticipated to be required (subject to confirmation by cultural resources subconsultant).

**Is Protected Species water quality mitigation anticipated?** ☐ No ☒ Yes

- Based on consultation with USFWS, the project is within the predicted range of endangered Indiana Bat (*Myotis sodalis*), endangered Gray Bat (*Myotis grisescens*), threatened Northern Longeared Bat (*Myotis septentrionalis*).
- Bat surveys will be conducted by Eco-Tech.

**Air Quality:**

Is the project located in an Ozone Non-attainment area? ☒ No ☐ Yes

Carbon Monoxide hotspot analysis Required? ☒ No ☐ Yes

**NEPA/GEPA Comments & Information:**

Field surveys for Ecology and History have been completed. State Waters Determination for Ecology has also been completed. Early coordination response from USFWS indicated that the aquatic species listed for Polk County either do not occur within the portion of Polk County where the proposed project is located or would not be expected to occur within the project area. Resources identified during history surveys are anticipated to be 'not eligible'. Archaeology site file search has been completed, and field surveys will be conducted by November 16, 2018 (delayed due to late NTP). No existing sites were reported in the site file search.



County: Polk

**Public Involvement** – A public detour open house meeting will be required due to the off-site detour, local commercial businesses and high volume of traffic. A Public Involvement meeting would be necessary if the Preferred Alternate is changed to Alternate 2.

## COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Is Federal Aviation Administration (FAA) coordination anticipated? ☒ No ☐ Yes

**Project Meetings:** Project Kickoff Meeting 01-31-2018; Status Meeting; 08-02-2018, 09-04-18, 10-04-18; Concept Team Meeting 08-28-2018

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Long Engineering
Design	Long Engineering
Right-of-Way Acquisition	GDOT
Utility Coordination (Preconstruction)	GDOT
Utility Relocation (Construction)	Utility Owners
Letting to Contract	GDOT
Construction Supervision	GDOT
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, & Permits	MAAI, CCR Environmental, Eco-Tech Consultants
Environmental Mitigation	GDOT
Construction Inspection & Materials Testing	GDOT/United Consulting

**Other coordination to date:** Detour coordination letters were sent to Polk County local government, emergency management, and school system.

### Project Cost Estimate and Funding Responsibilities:

	PE Activities		ROW	Reimbursable Utilities	CST*	Total Cost
	PE Funding	Section 404 Mitigation				
Funded By	GDOT	GDOT	GDOT	GDOT	GDOT	(OB)
\$ Amount	\$800,000	\$37,000	\$147,000	\$150,000 <sup>(OB)</sup>	\$981,124.21	\$2,115,124.21
Date of Estimate	12/27/16	09/28/18 <sup>(OB)</sup>	10/31/18	08/28/18 <sup>(OB)</sup>	02/08/19	

\*CST Cost includes: Construction, Engineering and Inspection, Contingencies and Liquid AC Cost Adjustment.

County: Polk

## ALTERNATIVES DISCUSSION

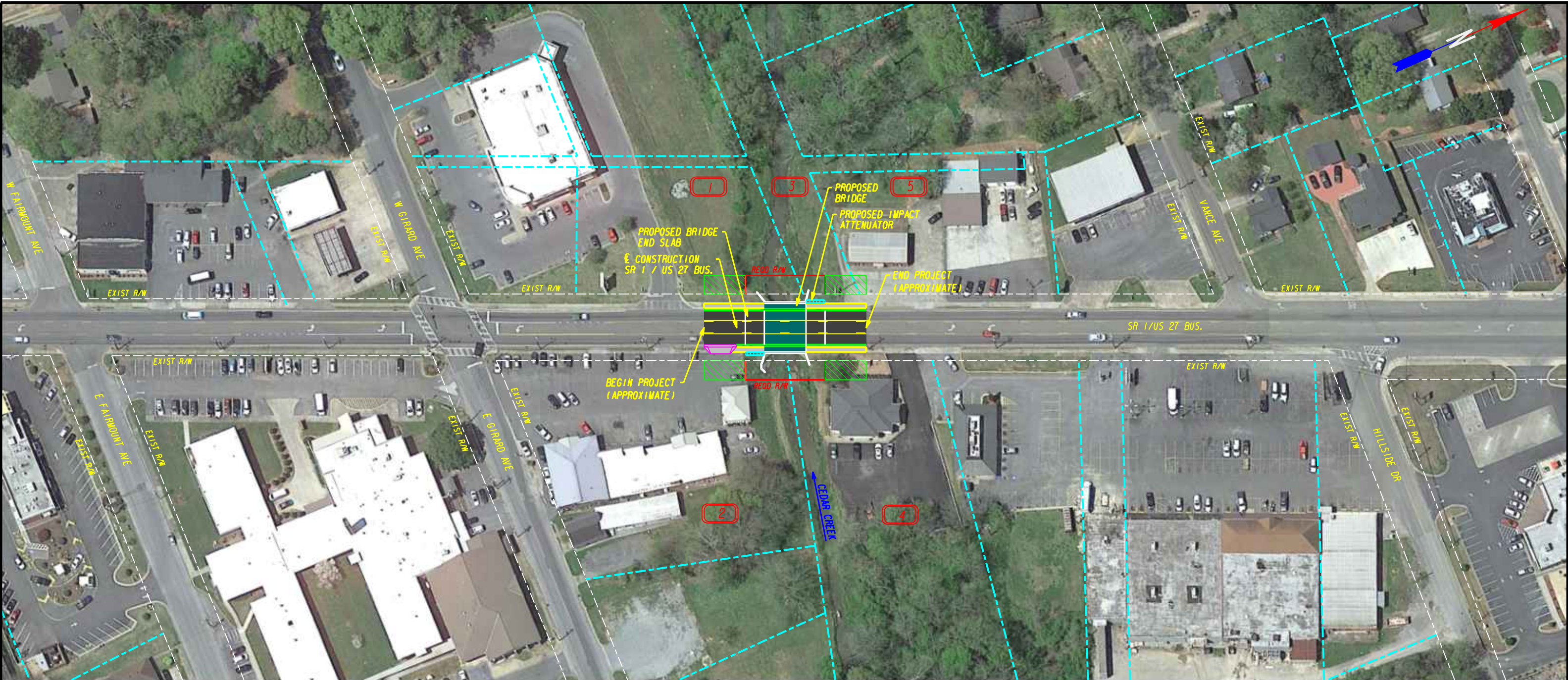
<b>Preferred Alternative (Alt 1):</b> Demolish and replace bridge on existing alignment with implementation of an off-site detour.			
<b>Estimated Property Impacts:</b>	<b>5</b>	<b>Estimated Total Cost:</b>	<b>\$2,115,124.21</b> (OB)
<b>Estimated ROW Cost:</b>	<b>\$147,000</b>	<b>Estimated CST Time:</b>	<b>12 Months</b>
<b>Rationale:</b> This alternate was selected as the preferred Alternate for the following reasons, 1) an offsite detour would be relatively short,** 2) offsite detour would be less impactful than utilizing an onsite detour with limited-to-no ROW space and disrupting numerous Commercial properties, 3) Construction of Offset permanent alignment would result in multiple Business and Commercial property takes, 4) Construction time would be less, 5) minimizes environmental impacts.			
** The proposed total state route detour length is 9.5 miles; however, a net detour length of approximately 1.1 miles along SR-1/US-27 route results for motorist wanting to travel through the city (which is the difference in travel along SR1/US27 Bypass versus travel along SR-1/US-27/Martha Berry Highway). Local traffic does have other options to use local roads and State routes. There are no schools adjacent to Main Street (SR-1/US-27 BUS). Westside Elementary School, Cedartown Middle School, and Cedartown High School are in close proximity and are easily accessible to the Detour Route. Northside Elementary School and First Methodist Pre-School are accessible via Rockmart Highway which has an interchange along the Detour route. Detour coordination letters were sent to Mr. Bill Fann, City Manager for Cedartown, and we have their feedback included herein.			
<b>Alternative No 2:</b> Construct a new bridge on an offset alignment west of the existing bridge. Utilize the existing bridge to carry traffic during construction.			
<b>Estimated Property Impacts:</b>	<b>4</b>	<b>Estimated Total Cost:</b>	<b>\$3,230,311.78*</b>
<b>Estimated ROW Cost:</b>	<b>\$1,500,000*</b>	<b>Estimated CST Time:</b>	<b>15 Months</b>
<b>Rationale:</b> This alternate was not selected for the following reasons: 1) very high impacts to Commercial ROW and utilities, 2) higher construction, utility, and Commercial ROW costs; 3) will result in multiple Business and Commercial takes.			
*ROW costs is anticipated to be orders of magnitude higher than for the preferred alternate due to two business displacements and two commercial real estate impacts.			
<b>No-Build Alternative:</b> Retain existing bridge and do not build a replacement bridge.			
<b>Estimated Property Impacts:</b>	<b>0</b>	<b>Estimated Total Cost:</b>	<b>\$0</b>
<b>Estimated ROW Cost:</b>	<b>\$0</b>	<b>Estimated CST Time:</b>	<b>None</b>
<b>Rationale:</b> Due to the age of the bridge, the structurally deficient classification, weight restriction and unknown foundation with areas of scour around the abutments, replacement is recommended. This alternative was not selected as preferred because it does not meet the project justification statement.			

**Additional Comments/ Information:** None

## LIST OF ATTACHMENTS/SUPPORTING DATA

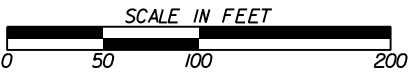
1. Concept Layout
2. Typical sections
3. Cost Estimate
4. Concept Utility Report
5. Traffic (Approved 08/08/18)
6. Detour Route Map (Preferred Alternate) *Detour Meeting Minutes 4/30/19 (OB)*
7. Detour Survey Responses (City of Cedartown has been contacted and we are awaiting their responses)
8. Meeting Minutes
9. Bridge Inventory





# LEGEND

EXISTING INFORMATION	PROPOSED INFORMATION
<div><div></div> RIGHT-OF-WAY</div>	<div><div></div> CENTERLINE</div>
<div><div></div> PROPERTY LINE</div>	<div><div></div> RIGHT-OF-WAY</div>
	<div><div></div> CONSTRUCTION AND MAINTENANCE EASEMENT</div>
	<div><div></div> NEW PAVEMENT</div>
	<div><div></div> NEW DRIVEWAY/SIDEWALK</div>
	<div><div></div> NEW BRIDGE</div>
	<div><div></div> TRAFFIC FLOW ARROWS</div>



LONG

ENGINEERING, INC.

CONCEPTUAL LAYOUT

PREFERRED ALTERNATE #1

NEW BRIDGE ON EXISTING ALIGNMENT

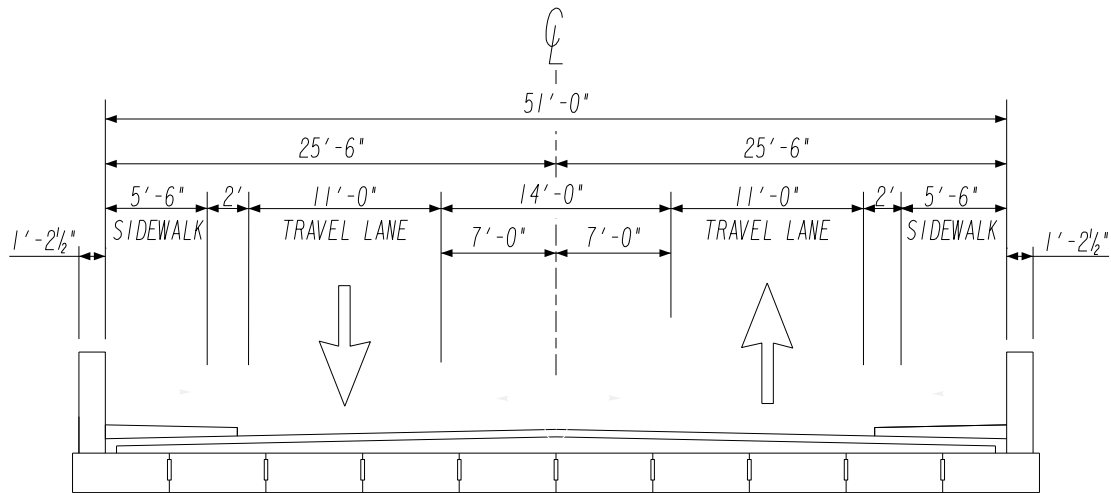
WITH DETOUR

PI \*0014905

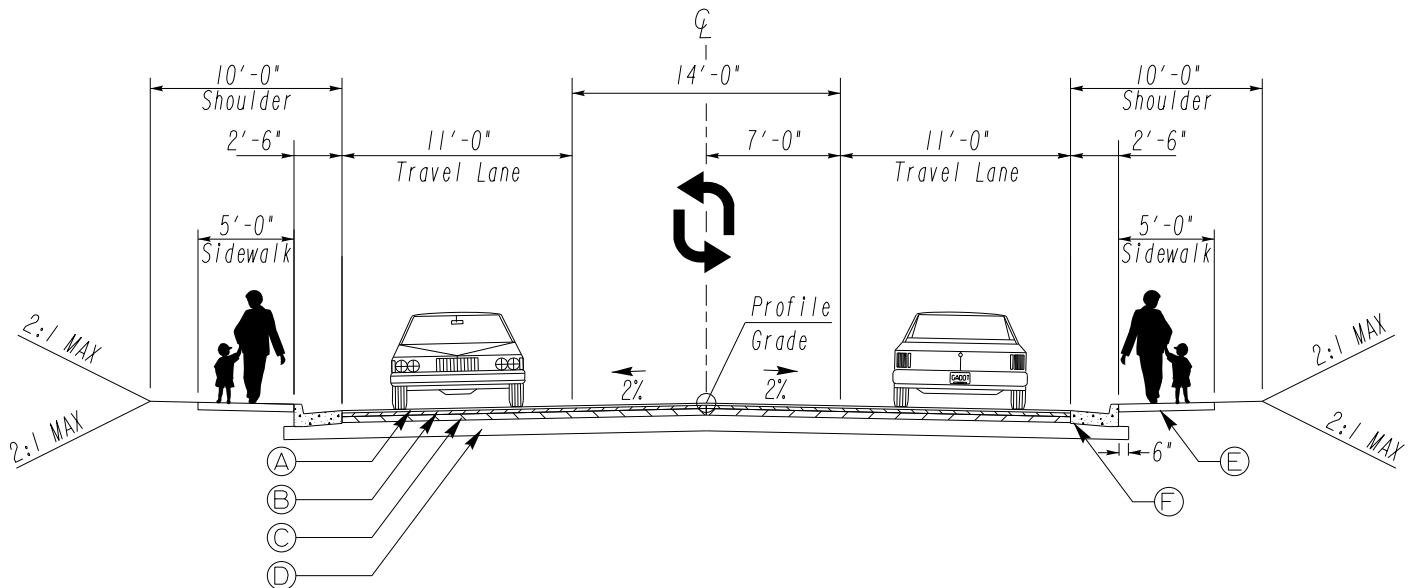
SR 1/US 27 BUS. OVER CEDAR CREEK

(SHEET 1 OF 1)





## BRIDGE TYPICAL SECTION



## ROADWAY TANGENT SECTION

### PAVEMENT SECTION

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- (D) GR AGGR BASE CRS, 12 INCH, INCL MATL
- (E) CONCRETE SIDEWALK, 4 IN
- (F) 8"X24" TY 2 CONCRETE CURB AND GUTTER

**LONG**  
ENGINEERING, INC.

CONCEPTUAL TYPICAL SECTIONS  
PREFERRED ALTERNATE #1  
NEW BRIDGE ON EXISTING ALIGNMENT  
WITH DETOUR

PI \*0014905  
SR 1/US 27 BUS.  
OVER CEDAR CREEK

(SHEET 1 OF 1)

FILE P.I. No. **0014905**

OFFICE **Program Delivery**

**PROJECT DESCRIPTION**

SR1/US 27 BUS over Cedar Creek

DATE **February 8, 2019**

From: **Kimberly Nesbitt, State Program Delivery Administrator**

To: Erik Rohde, P.E., State Project Review Engineer  
via Email Mailbox: [CostEstimatesandUpdates@dot.ga.gov](mailto:CostEstimatesandUpdates@dot.ga.gov)

**Subject: REVISIONS TO PROGRAMMED COSTS**

MGMT LET DATE **October 15, 2020**

PROJECT MANAGER **Jeff Henry**

MGMT ROW DATE **November 15, 2019**

**PROGRAMMED COSTS (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$ **1,250,000.00**

DATE **N/A**

RIGHT OF WAY \$ **250,000.00**

DATE **N/A**

UTILITIES \$ **200,000.00**

DATE **N/A**

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$ **981,124.21**

RIGHT OF WAY \$ **147,000.00**

UTILITIES \$ **150,000.00** (OB)

\*Cost Contains **12** % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

\* A 12 % contingency was used based on Risk Based Cost Estimating recommended contingency range for concept level estimates.

# CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	831,797.14	Base Estimate From CES	
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	41,589.86	Base Estimate (A) x	5 %
<b>C. CONTINGENCY:</b>	\$	104,806.44	Base Estimate (A + B) x	12 %
			<a href="#">See % Table in "Risk Based Cost Estimation" Memo</a>	
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$	4,930.77	Total From Liquid AC Spreadsheet	
<b>E. CONSTRUCTION TOTAL:</b>	\$	981,124.21	(A + B + C + D = E)	

## REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Georgia Power	\$ 150,000.00 (OB)
<b>TOTAL</b>	\$ 150,000.00 (OB)

### ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)

Liquid AC Adjustment Spreadsheet



# Consultant Validation of Final QC/QA for Construction Cost Estimate Used in This Revision To Programmed Costs

**COMPANY NAME:** Long Engineering, Inc.

## VALIDATION OF FINAL QC/QA

**PRINTED NAME:** Anthony Kamburis, PE

**TITLE:** Project Manager

**SIGNATURE:**



**DATE:** 2/8/2019

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

JOB NUMBER : PI 0014905                      SPEC YEAR: 13  
DESCRIPTION: SR1/US27 BUS OVER CEDAR CREEK-POLK CO- PREF ALT #1

COST GROUPS FOR JOB PI 0014905

COST GROUP	DESCRIPTION	QUANTITY	PRICE	AMOUNT	ACTIVE?
ASPH	ASPHALT (TN)				Y
BASE	BASE/AGGREGATE (TN)				Y
EROC	EROSION CONTROL (SY)				Y
ACTIVE COST GROUP TOTAL				0.00	
INFLATED COST GROUP TOTAL				0.00	

ITEMS FOR JOB PI 0014905

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - PI 0014905	1.000	48734.38	48734.38
0010	163-0232		AC	TEMPORARY GRASSING	1.000	538.70	538.70
0015	163-0240		TN	MULCH	11.000	387.32	4260.62
0020	163-0300		EA	CONSTRUCTION EXIT	2.000	1612.33	3224.67
0030	163-0527		EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	6.000	374.79	2248.78
0100	163-0529		LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	500.000	5.95	2976.35
0135	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	500.000	2.06	1033.87
0140	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	300.000	7.25	2177.99
0145	165-0071		LF	MAINT OF SEDIMENT BARRIER - BALED STRAW	500.000	1.99	999.12
0150	165-0101		EA	MAINT OF CONST EXIT	2.000	564.68	1129.37
0175	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	500.000	3.59	1796.60
0180	210-0100		LS	GRADING COMPLETE - PI 0014905	1.000	71610.00	71610.00
0185	310-1101		TN	GR AGGR BASE CRS, INCL MATL	840.000	27.18	22834.21
0190	318-3000		TN	AGGR SURF CRS	150.000	24.49	3674.19
0195	402-1812		TN	RECYL AC LEVELING,INC BM&HL	25.000	78.70	1967.56
0200	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	87.000	133.88	11648.34
0205	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	112.000	97.93	10968.33
0210	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	83.000	119.13	9888.61
0215	413-0750		GL	TACK COAT	230.000	2.52	579.60
0220	432-5010		SY	MILL ASPH CONC PVMT,VARB DEPTH	125.000	13.16	1645.35
0225	433-1100		SY	REF CONC APPR SL/INCL CURB	362.000	195.23	70676.62
0230	441-0104		SY	CONC SIDEWALK, 4 IN	200.000	64.28	12857.61
0235	441-4020		SY	CONC VALLEY GUTTER, 6 IN	70.000	60.22	4215.78
0240	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	210.000	33.74	7086.73
0245	500-3800		CY	CL A CONC, INCL REINF STEEL	50.000	1080.37	54018.68
0250	540-1101		LS	REM OF EX BR, STA NO - (34' X 52' AT \$45/SF)	1.000	79560.00	79560.00
0255	543-9000		LS	CONSTR OF BRIDGE COMPLETE - (44' X 54.	1.000	286440.00	286440.00

ITEM NO	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE	AMOUNT
0260	550-1180	LF	25' ' AT \$120/SF)			
0265	550-1240	LF	STM DR PIPE 18,H 1-10	150.000	65.01	9752.46
0275	550-4118	EA	STM DR PIPE 24,H 1-10	90.000	78.72	7085.66
0280	603-2018	EA	FLARED END SECT 18 IN, SIDE DR	4.000	606.74	2426.97
0285	603-7000	SY	STN DUMPED RIP RAP, TP 1, 18	222.000	54.63	12127.86
0290	632-0003	SY	PLASTIC FILTER FABRIC	222.000	4.53	1006.55
0295	634-1200	EA	CHANGEABLE MESS SIGN,PORT,TP 3	2.000	7783.09	15566.19
0300	636-1033	EA	RIGHT OF WAY MARKERS	4.000	184.18	736.74
0305	636-1036	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	60.000	21.36	1281.94
0310	636-2070	SF	HWY SGN,TP1MAT,REFL SH TP 11	75.000	20.00	1500.00
0315	636-5020	LF	GALV STEEL POSTS, TP 7	150.000	9.44	1416.14
0320	641-1100	EA	DELINEATOR, TP 2	4.000	41.95	167.81
0325	641-5001	LF	GUARDRAIL, TP T	84.000	74.38	6248.32
0330	641-5015	EA	GUARDRAIL ANCHORAGE, TP 1	2.000	1156.70	2313.40
		EACH	GUARDRL ANCHOR, TP 12A, 31 IN, TANG, E/A	1.000	2967.00	2967.00
0340	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	500.000	1.62	810.48
0344	648-1350	EA	IMPACT ATT UNIT, TP-P- PI 0014905	2.000	20113.08	40226.16
0345	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	1100.000	0.99	1089.77
0350	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	1100.000	0.74	817.55
0355	653-3502	GLF	THERMO SKIP TRAF ST, 5 IN, YEL	1100.000	0.64	713.60
0360	654-1001	EA	RAISED PVMT MARKERS TP 1	10.000	5.02	50.21
0365	654-1003	EA	RAISED PVMT MARKERS TP 3	10.000	4.91	49.18
0390	700-6910	AC	PERMANENT GRASSING	1.000	1310.87	1310.88
0395	700-7000	TN	AGRICULTURAL LIME	1.000	131.77	131.77
0400	700-8000	TN	FERTILIZER MIXED GRADE	1.000	697.20	697.20
0405	700-8100	LB	FERTILIZER NITROGEN CONTENT	50.000	4.13	206.69
0410	700-9300	SY	SOD	200.000	8.14	1629.53
0415	716-2000	SY	EROSION CONTROL MATS, SLOPES	500.000	1.35	675.02
ITEM TOTAL						831797.13
INFLATED ITEM TOTAL						831797.13
TOTALS FOR JOB PI 0014905						
ESTIMATED COST:						831797.14
CONTINGENCY PERCENT ( 0.0 ):						0.00
ESTIMATED TOTAL:						831797.14



PROJ. NO.

N/A

CALL NO.

P.I. NO.

0014905

DATE

2/8/2019

## INDEX (TYPE)

DATE

INDEX

REG. UNLEADED

Feb-19

\$ 2.150

DIESEL

\$ 2.945

LIQUID AC

\$503.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

## LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

## Asphalt

Price Adjustment (PA)

4632.63

\$

4,632.63

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 804.80

Monthly Asphalt Cement Price month project let (APL)

\$ 503.00

Total Monthly Tonnage of asphalt cement (TMT)

15.35

ASPHALT	Tons	%AC	AC ton
Leveling	25	5.0%	1.25
12.5 OGFC		5.0%	0
12.5 mm	87	5.0%	4.35
9.5 mm SP		5.0%	0
25 mm SP	112	5.0%	5.6
19 mm SP	83	5.0%	4.15
	307		15.35

## BITUMINOUS TACK COAT

Price Adjustment (PA)

\$ 298.14

\$

298.14

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 804.80

Monthly Asphalt Cement Price month project let (APL)

\$ 503.00

Total Monthly Tonnage of asphalt cement (TMT)

0.987873212

Bitum Tack

Gals	gals/ton	tons
230	232.8234	0.98787321

## BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)

0

\$

-

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 804.80

Monthly Asphalt Cement Price month project let (APL)

\$ 503.00

Total Monthly Tonnage of asphalt cement (TMT)

0

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

## TOTAL LIQUID AC ADJUSTMENT

\$

4,930.77

## Concept Utility Report

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**Project Number:** [Click here to enter text.](#)

**District:** Six

**County:** Polk

**Prepared by:** K. Bonner

**P.I. #** 0014905

**Date:** 03-04-19 Revised 2

**Project Description:** SR 1 Bridge replacement @ Cedar Creek Trb

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*The information provided herein has been gathered from Georgia811 and/or field visits and serves as an estimate. Nothing contained in this report is to be used as a substitute for 1<sup>st</sup> Submission or SUE.*

**Are SUE services recommended?** Yes

Level: ☐ A ☒ B ☐ C ☐ D

**Public Interest Determination (PID):**

☐ Automatic ☐ Mandatory ☒ Consideration ☐ No Use ☐ Exempt

**Is a separate utility funding phase recommended?** No

**Potential Project (Schedule/Budget) Impacts:** Yes

**Capital Improvement Projects (Utilities) Anticipated in the Area:** N/A

**Project Specific Recommendations for Avoidance/Mitigation:** Power Easement

**Right of Way Coordination:** Yes

**Environmental Coordination:** [Click here to enter text.](#)

**Additional Remarks:** [Click here to enter text.](#)

**Utilities have facilities within the project limits.**

**Utilities have been identified using Georgia811 and/or field visits.**

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<b>Facility Owner</b>	<b>Facility Owner Contact Email Address</b>	<b>Existing Facilities/ Appurtenances</b>	<b>General Description of Location</b>	<b>Facilities to Avoid <i>approx. limits</i></b>	<b>Facilities Retention Recommended <i>approx. limits</i></b>	<b>Comments</b>
AGL	ccharles@agresources.com	Gas mainClick here to enter text.	Project Limits	Click here to enter text.	N/A	Click here to enter text.
BellSouth	mb2114@att.com	Telecom	Project Limits	Click here to enter text.	N/A	Click here to enter text.
Georgia Power	VSMCCARL@southernco.com	Power	Project Limits	Click here to enter text.	N/A	Click here to enter text.
Parker FiberNet	jpleess@parkersystems.net	FiberClick here to enter text.	Project Limits	Click here to enter text.	N/A	Click here to enter text.
City of Cedartown	kgarmon@cedartowngeorgia.gov	WaterClick here to enter text.	Project LimitsClick here to enter text.	Click here to enter text.	N/AClick here to enter text.	Click here to enter text.

**Note:** To add additional rows, click the bottom right corner of the box above, then click the blue + that will appear. Please add additional rows prior to entering text.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE**

Project No. N/A  
County Polk  
P.I. # 0014905  
Description SR 1 BUS @ Cedar Creek

Office Cartersville  
Date August 28, 2018

**FROM**

  
Jun Birnkammer, District Utilities Manager

**TO**

Jeff Henry, P.E., Project Manager

**SUBJECT CONCEPT UTILITY COST ESTIMATE**

A review of utilities located on the above referenced project has been conducted based on the latest available plans. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

Utility Owner	Reimbursable	Non-Reimbursable	Estimate Based on
Atlanta Gas Light	\$0.00	\$30,968.00	Preliminary info from Utility
Parker Fibernet	\$0.00	\$25,000.00	Preliminary info from Utility
ATT - Georgia	\$0.00	\$40,417.00	Preliminary info from Utility
City of Cedartown - Water and Sewer**	\$0.00	\$236,800.00	Preliminary info from Utility
Georgia Power Company - Distribution	\$150,000.00	\$0.00	Preliminary info from Utility
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
<b>TOTAL 100.00%</b>	<b>\$150,000.00</b>	<b>\$333,185.00</b>	
<b>Department Responsibility 100.00%</b>	<b>\$150,000.00</b>	<b>\$333,185.00</b>	
<b>Local Sponsor Responsibility 0.00%</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>PFA Dated with</b>

\*\* Indicates Potential Utility Aid Request from Local Gov't

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact Kerry Bonner at 678-721-5311.

cc:

Patrick Allen, P.E., State Utilities Administrator  
David Acree, P.E., District Preconstruction Engineer

GEORGIA DEPARTMENT OF TRANSPORTATION  
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 10/31/18

Project: CSSFT-000-00-14(905)

Revised:

County: POLK

PI: 0014905

Description: BRIDGE REPLACEMENT

Project Termini: SR 1BU/US27 2 CEDAR CREEK TRIB IN CEDARTOWN

Existing ROW: VARIES

Parcels: 5

Required ROW: VARIES

Land and Improvements \$13,933.54

Proximity Damage \$0.00

Consequential Damage \$0.00

Cost to Cures \$5,000.00

Trade Fixtures \$0.00

Improvements \$1,500.00

Valuation Services \$35,000.00

Legal Services \$40,875.00

Relocation \$10,000.00

Demolition \$1,500.00

Administrative \$45,000.00

TOTAL ESTIMATED COSTS \$146,308.54

**TOTAL ESTIMATED COSTS (ROUNDED) \$147,000.00**

Preparation Credits	Hours	Signature

Prepared By:

*Cheryl Joy-Beault*  
*Valerie C. [Signature]*

CG#: 211009

10/31/2018

Approved By:

CG#:

11/5/18

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

## Marc Thompson

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**From:** Henry, Jeff <JHenry@dot.ga.gov>  
**Sent:** Friday, September 28, 2018 12:12 PM  
**To:** Anthony Kamburis; Marc Thompson; Gary Tillman  
**Subject:** FW: P.I. 0014905, Polk County - Estimated Mitigation Cost for Concept Report

Mitigation cost below.

Jeff Henry, PE  
*Consultant PM*  
GDOT Office of Program Delivery/AECOM  
Mobile: (404) 663-8649

---

**From:** Westberry, Lisa  
**Sent:** Friday, September 28, 2018 12:53 PM  
**To:** Henry, Jeff <JHenry@dot.ga.gov>  
**Cc:** Beba, Suncica <SBeba@dot.ga.gov>  
**Subject:** P.I. 0014905, Polk County - Estimated Mitigation Cost for Concept Report

Jeff,

As requested, the estimated mitigation costs for the subject project is **\$37,000.00**. These estimates were based on a review of aerial photography, NWI mapping, and NRCS soil surveys and not an actual field verification. The total cost of mitigation credits could remain the same or change once the ecology field survey is complete.

If you should have any questions or need any additional information, please do not hesitate to contact me. Thank you.

**Lisa Westberry**  
*Special Projects Coordinator*



Office of Environmental Services  
One Georgia Center, 16<sup>th</sup> Floor  
600 West Peachtree Street, N  
Atlanta, GA, 30308  
404.631.1772

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Hands-free cell phone use now law when driving in Georgia. When drivers use cell phones and other electronic devices it must be with hands-free technology. It is illegal for a driver to hold a phone in their hand or use any part of their body to support a phone. There are many facets to the new law. For details, visit <https://www.gahighwaysafety.org/>





## Interoffice Memo

**DATE:** 8/8/18

**FROM:** Paul Tanner, State Transportation Planning Administrator

**TO:** Kimberly Nesbitt, State Program Delivery Administrator

**Attention:** Jeff Henry

**SUBJECT:** Design Traffic Forecasts for PI# 0014905, Polk County, SR 1/ US 27BUS at Cedar Creek Tributary.

Per request, we have reviewed the consultant's design traffic forecasts for the above project. Based on the information furnished, we find the design traffic forecasts to be satisfactory, and the design traffic forecasting task to be complete for the above project. The reviewed and approved design traffic forecasts for the above project is as follows:

### BRIDGE ID # 233-0004-0

	2015 (Existing Year)	2022 (Base Year)	2024 (Base Year +2)	2042 (Design Year)	2044 (Design Year + 2)
AADT	15,800	16,350	16,525	18,075	18,250
DHV (AM/PM)	800/1,250	830/1,295	835/1,305	915/1,430	925/1,445
K% (AM/PM)	5.1% / 7.9%				
D% (AM/PM)	52% / 51%				
24 HR. T% - S.U.	2.5%				
24 HR. T% - COMB.	0.5%				
24 HR. T% - TOTAL	3.0%			Same as Existing Year	
T% - S.U. (AM/PM)	3.0%/2.0%				
T% - COMB. (AM/PM)	0.5%/0.0%				
T% - TOTAL (AM/PM)	3.5%/2.0%				

If you have any questions concerning this information, please contact Dan Funk at 404 631 1959.

RPT/drf



## **City of Cedartown Coordination Meeting Minutes**

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**Project: Detour Coordination Meeting**  
**Bridge Replacement on SR 1/US 27 BUS over Cedar Creek Tributary (Skeeter Branch)**  
**Polk County**  
**PI No.0014905**

**Meeting Date:** April 30, 2019

**Location:** City of Cedartown City Hall

**Attendees:** See attached sign-in sheet

Minutes Prepared by Gary Tillman of Long Engineering, Inc.

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Anthony Kamburis (Long Engineering PM), started the meeting by going around the room for introductions and introduced the project, then turned it over to Gary Tillman (Long Engineering) to go over the project specifics. Gary gave a brief description of the existing and proposed conditions of the project, then the meeting was opened for discussion.

### **Discussion Topics**

- City officials present at the meeting expressed support for the project and expressed agreement that the proposed off-site detour is the preferred alternative for construction of the project.
- The city expressed concerns regarding semi-truck maneuverability through the city streets if the advanced Detour warnings are missed or not heeded by truck drivers. College Street would be the most likely chosen alternative by the drivers if the Detour warnings are missed. College Street has a weight restricted bridge and low hanging branches from old oak trees. College Street is maintained by the city.
- Project is scheduled to be opened for contractor bidding in October 2020.
- School Board attendees stated that construction timing is critical for schools. Northside Elementary school will be affected more than any other school. Six (6) buses feed Northside while 20-25 buses use this route. Cherokee and Westside Schools will also be affected. Summer break is June-July.
- The proposed project is expected to take approx. 6 months to construct with the bridge being closed for most of that time.
- Utility relocations will be extensive and will be a major component of construction time for this project.
- City averages 54" of rain annually. Last year the city experienced 77" of rain and the existing bridge structure was never inundated according to city officials.
- At this time, the proposed bridge grade will not be raised enough to impact access to local businesses. It is anticipated that the grade will be raised between 3"-6".
- Local industrial businesses should be contacted prior to the PIOH meeting to inform them of the project and to invite them to the Detour Open House. Businesses mentioned as most prominent users of the SR 1 BUS route were GEO Specialty Chemicals and HON Corporation (Office Furniture Manufacturing). It is anticipated the Detour Open House will take place in late June 2019.

- The on-site detour alternative was discussed but quickly eliminated due to proximity to existing businesses.
- Staged construction was discussed but was considered infeasible for a 3-lane roadway and configuration of existing bridge. Staged construction would likely require business displacements.
- The city had no comments on PI 0014906, replacement of the SR 1/US 27 bridge over Lake Creek.

**Action Items:**

- Jeff Henry to contact GEO specialty Chemicals and HON Corporation to inform of the project and invite them to the Detour Open House once the open house has been scheduled.
- Jeff requested the city send any other concerns not discussed at the meeting to him via email.
- The District Office will coordinate with the eventual contractor and the local government and school system prior to bridge closure on additional signage measures to direct through truck traffic to use the signed state route detour and provide the City and Polk County School system ample opportunity to prepare for the closure.
- GDOT will coordinate with the eventual contractor and with the local government in an effort to minimize impact to the school system by having bridge construction/closure time include the summer months when schools are closed.





PI 0014905, City of Cedartown, Polk County  
Georgia Department of Transportation  
Bridge Replacement Project  
Detour Impact Form for Local Government

Using the attached project map, please respond to the questions below. Please provide as much information as you feel is necessary. Please respond to all questions – use “N/A” or “Non-known” if no relevant information to question is available. If you need additional information or mapping for this project, please contact us.

1. Please quantify the number of impacts anticipated by an off-site detour.

Daily Number of vehicles \_\_\_\_\_

Daily Number of Trucks \_\_\_\_\_

Number of Residences \_\_\_\_\_

Number of Businesses 128

Detour Length \_\_\_\_\_

2. Please rate the impact on service if the bridge were closed for up to a year?

☐ No Concerns

☐ Moderate Concerns

☒ Major Concerns

3. If concerns were identified, please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.)

See Attached

4. Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

Most of the businesses are for the town and laid  
out along Hwy 27 and this Hwy. 27 Corridor see  
a very large amount of traffic daily

5. Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

See Attached

6. Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

Form Completed by (Name): Kelvin Garmon / Edward Guzman

(Title): Public Works Director / Assistant City Manager

Date: 11-28-2018



**QUESTION 3**

Trucks may end up detouring to nearby residential streets. These residential streets have an abundance of trees with low hanging branches.

**QUESTION 5**

Allen Hunt – (770) 748-2441

Edward Graves Jr. – (770) 748-1653

Jack Morgan – (770) 748-3537

All three are small business owners whose place of business is directly adjacent to the bridge. Advanced notification will assist them in notifying clientele of any issues reaching their business.

PI 0014905, Polk County  
Georgia Department of Transportation  
Bridge Replacement Project  
Detour Impact Form for School Board

Using the attached project map, please respond to the questions below. Please provide as much information as you feel is necessary. Please respond to all questions – use “N/A” or “Non-known” if no relevant information to question is available. If you need additional information or mapping for this project, please contact us.

1. How many School Buses crossings over this bridge are there per day?

Number of Buses 4 Number of Trips 4

2. Please rate the impact on service if the bridge were closed for up to a year?

☐ No Concerns

☒ Moderate Concerns

☐ Major Concerns

3. If concerns were identified, please specify what they are below, be as specific as possible (Conditions of detour route, location of students, new development expected, weight restrictions, etc.)

There are possible detours for buses.  
There are students that live in the area and  
Arrangements would be set up for altered bus stops!

4. Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Is there anyone you feel we should contact specifically regarding this project? Please note their name, phone number, and reason we should contact them?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Are there any additional comments you have regarding the project? Are the road names referenced the names the locals would use?

West Girard is a heavily traveled road by  
Cars and buses. North bound will be fine but  
South bound will be tough.

Form Completed by (Name):

Margie Peather

(Title):

Secretary - Route Coordinator

Date:

11-7-17

PI 0014905, Polk County  
Georgia Department of Transportation  
Bridge Replacement Project  
Detour Impact Form for EMS

Using the attached project map, please respond to the questions below. Please provide as much information as you feel is necessary. Please respond to all questions – use “N/A” or “Non-known” if no relevant information to question is available. If additional information or mapping for this project is needed, please contact us.

1. Please rate the impact to Emergency Response services if the bridge were closed for up to a year.

☐ No Impact      ☒ Low Impact      ☐ Moderate Impact      ☐ High Impact

2. If there are concerns please specify. Be as specific as possible. (examples: condition of detour routes, located in a high call volume area, closure could affect response to schools, weight restrictions, expected new development in the area, coordination with partner agency required to facilitate service)

This route is actually in the City of Cedartown.  
This memo was forwarded to the City of Cedartown for  
their review. This route is rarely used by Polk  
County Fire Dept.

3. Are there any future time periods or events that you know of where bridge closure would be of particular concern? Please note the event and any details you are familiar with.

4. Is there anyone you feel we should contact specifically regarding this project? Please note their name, contact information, and reason we should contact them?

Chief Darrell Stephens Cedartown Fire Dept.  
Chief Jamie Newsome Cedartown Police Dept.  
Cedartown City Manager Bill FANN

5. Are there any additional comments you have for this project? Are the road names referenced the names the locals would use?

Form Completed by (Name):

Randy M. Lacey

(Title):

Director Public Safety

Date:

11/02/2017

## Project Meeting Minutes

---

**Project: Concept Team Meeting**  
**Bridge Replacement on SR-1(BUS)/US-27(BUS) @ Cedar Creek Tributary in**  
**Cedartown, GA**  
PI No. 0014905- Polk County

**Meeting Date:** August 28, 2018

**Attendees: SEE ATTACHED**

Minutes Prepared by Long Engineering, Inc.

---

Jeff Henry, the GDOT PM, started the meeting by going around the room for introductions and introduced the project, then turned it over to Gary Tillman of Long Engineering, Inc to go over the project. A brief description of the existing and proposed conditions of the project were discussed, then the preliminary concept report was reviewed page by page.

The following items were discussed:

### General Comments:

- Description at the top of page one should be revised to be over Cedar Creek Tributary in lieu of Big Dry Creek and revise SR-27 to SR-27(BUS) and SR-1 to SR-1(BUS) to the description.
- Revise Cedar Creek in the project to Cedar Creek Tributary.
- Need to check and revise the preparer of the Project Justification Statement, it was discussed the statement was prepared by GDOT Bridge Office, please revise accordingly.
- Traffic was approved and needs to be incorporated in the concept report.
- Need to check to determine other projects in the area, it was discussed that there are other bridge replacement projects in the area.
- Check and revise the project lengths in the project description.
- Utilities listed in the concept report are correct.
- SUE will be performed on this project.
- Update report to include utility easements.
- Kenny Bonner asked if the project can be built half at a time keeping on lane open. Long Engineering stated due to the amount of existing utilities, storm drains and close area business and driveways would make it not possible to build the project one half at a time. Long Engineering will make a further assessment on the final survey is complete.

### Environmental:

- Anticipated Environmental Document, GEPA should be revised to check none.
- References to Cedar Creek project should be revised to Cedar Creek.
- The Environmental section need to be checked to verify it was written for the Cedar Creek Tributary Project.
- Add a section for noise, that noise should be a Type III, unless the vertical alignment is raised more than 3 feet.
- A public involvement meeting will be required.

### Utilities:

- The utility list in the concept report is complete.
- There are a lot of utilities in the are and will be verified when the survey is complete

CES:

- Carol Kalafut requested a construction cost estimate be provided for alternate 2 to make an evaluation on alternates.
- Make sure the Construction Estimate on the construction certification sheet matches the CST number on page 7 of the concept report.

Right-Of-Way

- It was questioned if the proposed ROW will impact any existing structures, Long Engineers stated the ROW should not impact the structures and will be verified when the survey is complete.

Please find attached the emailed responses from those who were unable to attend the Concept Team Meeting.

**Action Items**

-Revise and resubmit Concept Report by September 14, 2018



# MEETING SIGN-IN SHEET

Project: PI 0014905 (Polk County)

Meeting Date: August 28, 2018

Facilitator: Jeff Henry, GDOT PM  
Anthony Kamburis, Long Eng. PM

Room: District 6 Conference Room

Name	Company	Phone	E-Mail
Jeff Henry	GDOT OPD	41663-8649	jhenry@gdot.ga.gov
JOSEPH CHARRRO	GDOT DB	678-721-5257	JCHARRRO@DOT.GA.GOV
CHRISTLEIGH CHARLES	Atlanta Gas Light	470-733-1642	ccharles@southernco.com
Kelvin Gorman	City of Cedartown	770-846-1830	kgorman@cedartowngeorgia.gov
Matthai Wray	City of Cedartown	770 324 4979	MWray@cedartowngeorgia.gov
MICHAEL LONG	GDOT TRAP OPS	768-721-5294	MLONG@DOT.GA.GOV
FREDDY BONNER	GDOT/CDMS Unit	678 7215311	kbonner@gdot.ga.gov
Jennifer Deems	GDOT Utilities	678-721-5323	jdeems@dot.ga.gov
MICHAEL GRAVETT	Polk County Public Works	770-749-2132	mgravett@ <del>polkga.org</del> Polkga.org
Scott McCarley	GA. Power Company	706-236-1317	smccarley@southernco.com
MARC THOMPSON	LONG ENGINEERING	6-770-951-2495 c-205-994-4641	Mthompson@longeng.com
ANTHONY KAMBURIS	" "	770 951 2495 205 612 564	A KAMBURIS@Longeng.com
GARY TILLMAN	" "	770 951 2495	G-TILLMAN@LONGENG.COM
VIA PHONE			
CAROL KALAFUT	GDOT BRIDGE		
SUNSHINE Beba	GDOT NEPA		
SPENCER PUCI	GDOT NOISE & AIR		
Todd Bagley	AT&T	706-236-3913	mb2114@att.com



## Project Meeting Minutes

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**Projects:**      **GDOT BB #3**  
                    **PI 0014905, SR-1 BUS/US-27 over Cedar Creek, Polk County**  
                    **PI 0014906, SR-1/US-27 over Lake Creek, Polk County**  
                    **PI 0013994, SR-136 over Coosawattee River, Gordon County**

**Conference Call Date:**      August 2, 2018 @ 2:30 eastern

**Attendees:**

Jordan Allen	Georgia DOT - NEPA
Sarah Kuhn	Georgia DOT - Ecology
Ty Sprayberry	Georgia DOT – Ecology
Clayton Collins	Georgia DOT
LN Manchi	Moreland Altobelli
Ronnie Joiner	Moreland Altobelli
Elizabeth Clappin	Moreland Altobelli
Bijay Niraula	Moreland Altobelli
Francesco Ramirez	Moreland Altobelli
Joure N. Alexander	CDM Smith
Jeff Henry	GDOT/AECOM
Marc Thompson	Long Engineering
Anthony Kamburis	Long Engineering

Minutes Prepared by Long Engineering, Inc.

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Monthly conference call was held to discuss project status.

**General:** Original project NTP was delayed. Note that we are utilizing the accelerated schedule previously provided. The goal is to recover schedule by PFPR on each project.

**I. WELCOME AND INTRODUCTIONS.**

- a. List of attendees above.

**II. PROJECT DISCUSSION**

1. BR 3 (PI 0014905): SR-1 BUS/US-27 over Cedar Creek, Polk County

Survey (MAAI):

- Database is 30% complete. Survey submittal scheduled for mid-October.
- Field crews were on site the week of July 30, 2018 and observed no flooding on main roadway or houses.

Concept Report (Long):

- Draft concept report submitted to GDOT PM on July 31, 2018.



- ROW Checklist with maps submitted to GDOT PM on July 30, 2018.

NEPA/Traffic (MAAI): MAAI to make updates to TPRO and P6.

- Traffic – Submitted to GDOT on July 30, 2018.
- Early coordination is complete.
- Ecology – Field Survey complete. 1st draft submittal scheduled for August 15, 2018.
- Received Bat Habitat Survey on July 30, 2018.
- There are no concerns with aquatic species.
- History – Field Survey complete. HRSR is 85% complete. Submittal is anticipated within two (2) weeks.
- Archeology – MAAI to provide recovery schedule to GDOT analyst (note: Michael Carlock is no longer with GDOT). Site file search complete and no existing sites were reported. Field survey will be conducted by August 31, 2018

2. BR 4 (PI 0014906): SR-1/US-27 over Lake Creek, Polk County

Survey (MAAI):

- Field work anticipated to start in two (2) weeks.

Concept Report (Long):

- Draft concept report submitted to GDOT PM on July 30, 2018.
- ROW Checklist with maps submitted to GDOT PM on July 30, 2018.

NEPA/Traffic (MAAI): MAAI to make updates to TPRO and P6.

- Traffic – Submitted to GDOT on July 30, 2018.
- Ecology - Field Survey complete. 1st draft submittal scheduled for August 15, 2018.
- History – Rain has delayed field work. Anticipate field work August 8, 2018.
- Archeology – Field surveys scheduled for August 13, 2018 and submittal is schedule for the end of August. A recovery plan shall be provided to GDOT and P6 updated. A short report or ASR is anticipated.

3. BR 6 (PI 0013994): SR-136 over Coosawattee River, Gordon County

Survey (Long):

- Database is 40% complete. Anticipated delivery is August 31, 2018. Highwater in creeks from rains are slowing field work.

Concept Report (Long):

- Draft concept report submitted to GDOT PM on July 27, 2018

- ROW Checklist with maps submitted to GDOT PM on July 30, 2018.

Traffic (MAAI):

- Submitted to GDOT on July 30, 2018.

NEPA (CDM Smith): CDM to update P6 schedule.

- Ecology – Field work schedule mid-August.
- There 3 plant species identified. Two will be studied August 2018 and September 2018, respectively. The 3<sup>rd</sup> species, Rockress, study is May 2019.
- Bat Study scheduled for late July 2018.
- Aquatics is not currently scheduled.

History/Archeology (MAAI):

- History – Survey is complete. Report is schedule to be submitted in August 2018. MAAI will forward final report to Karen. Draft HRSR submitted to GDOT July 23, 2018.
- Archeology – Field survey is scheduled for August 22, 2018. It is currently believed the report will be an Archeology Short Report (ASR) schedule to submit late September.

**I. ACTION ITEMS**

1. BR 3 (PI 0014905): SR-1 BUS/US-27 over Cedar Creek, Polk County
  - a. Long to submit draft concept report.
  - b. MAAI to submit survey/database mid October 2018.
  - c. MAAI to start archeology field test August 31, 2018.
  - d. HRSR shall be submitted within two weeks.
  - e. Ecology survey scheduled for August 1, 2018.
  - f. MAAI to update P6.
2. BR 4 (PI 0014906): SR-1/US-27 over Lake Creek, Polk County
  - a. Long to submit draft concept report from GDOT.
  - b. MAAI to start field survey work in two weeks.
  - c. MAAI to update P6 schedule.
3. BR 6 (PI 0013994): SR-136 over Coosawattee River, Gordon County
  - a. Long to submit draft concept report from GDOT.
  - b. CDM to update P6 schedule.
  - c. MAAI archeology field work scheduled for August 22, 2018.

cc: Attendees via Email

## Project Meeting Minutes

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**Projects:**      **GDOT BB #3**  
                    **PI 0014905, SR-1 BUS/US-27 over Cedar Creek, Polk County**  
                    **PI 0014906, SR-1/US-27 over Lake Creek, Polk County**  
                    **PI 0013994, SR-136 over Coosawattee River, Gordon County**

**Conference Call Date:**      September 4, 2018 @ 2:30 eastern

**Attendees:**

Sunshine Beba	Georgia DOT - Ecology
LN Manchi	Moreland Altobelli
Ronnie Joiner	Moreland Altobelli
Elizabeth Clappin	Moreland Altobelli
Bijay Niraula	Moreland Altobelli
David Abbott	Moreland Altobelli
Karen Graff	CDM Smith
Jeff Henry	GDOT/AECOM
Anthony Kamburis	Long Engineering

Minutes Prepared by Long Engineering, Inc.

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Monthly conference call was held to discuss project status.

**General:** Original project NTP was delayed. Note that we are utilizing the accelerated schedule previously provided. The goal is to recover schedule by PFPR on each project.

**I. WELCOME AND INTRODUCTIONS.**

- a. List of attendees above.

**II. PROJECT DISCUSSION**

**1. BR 3 (PI 0014905): SR-1 BUS/US-27 over Cedar Creek, Polk County**

Survey (MAAI):

- Field work is 60% complete. Survey submittal scheduled for mid-October.
- Field crews were on site the week of July 30, 2018 and observed no flooding on main roadway or houses.

Concept Report (Long):

- Draft Concept Team Meeting held on August 28, 2018. Preparing meeting minutes and addressing comments.

NEPA/Traffic (MAAI): MAAI to make updates to TPRO and P6.

- Traffic – Approved.
- Ecology – ERSR internal review is complete and schedule to submit to GDOT 09-07-18.
- Bat Habitat Survey received on July 30, 2018.
- There are no concerns with aquatic species.
- History – HRSR is complete and undergoing internal review. Scheduled to submit no later than 09-14-18.
- Archeology – Shovel test approved. Field work scheduled for next week (ending 09-14-18).

## **2. BR 4 (PI 0014906): SR-1/US-27 over Lake Creek, Polk County**

Survey (MAAI):

- Field work 25% complete.

Concept Report (Long):

- Draft Concept Team Meeting held on August 28, 2018. Preparing meeting minutes and addressing comments.

NEPA/Traffic (MAAI): MAAI to make updates to TPRO and P6.

- Traffic – Approved.
- Ecology - ERSR internal review is complete and schedule to submit to GDOT 09-07-18.
- History – HRSR is complete and undergoing internal review. Scheduled to submit no later than 09-12-18.
- Archeology – Shovel test approved. Field work scheduled for next week (ending 09-14-18). A recovery plan shall be provided to GDOT and P6 updated. A short report or ASR is anticipated.

## **3. BR 6 (PI 0013994): SR-136 over Coosawattee River, Gordon County**

Survey (Long):

- Database is 40% complete. Anticipated delivery is October 8, 2018. Highwater in creeks from rains are slowing field work.

Concept Report (Long):

- Draft Concept Team Meeting held on August 28, 2018. Preparing meeting minutes and addressing comments.

Traffic (MAAI):

- Approved.

NEPA (CDM Smith): CDM to update P6 schedule.

- **CDM to update NEPA on BR 6.**

History/Archeology (MAAI):

- History – Ryan Jackson with OES requested and expanded survey area. Revision are being made and will be resubmitted.
- Archeology – Shovel test approved and field work is schedule within the next two (2) weeks. It is currently believed the report will be an Archeology Short Report (ASR) schedule to submit late September.

**I. ACTION ITEMS**

1. BR 3 (PI 0014905): SR-1 BUS/US-27 over Cedar Creek, Polk County
  - a. Long addressing Draft CTM comments.
  - b. Field work and database preparation ongoing. MAAI to submit survey/database mid October 2018.
  - c. MAAI to start archeology field test September 14, 2018.
  - d. MAAI to submit HRSR by 09-14-18.
  - e. MAAI to submit ERSR by 09-07-18.
  - f. MAAI to update P6.
2. BR 4 (PI 0014906): SR-1/US-27 over Lake Creek, Polk County
  - a. Long addressing Draft CTM comments.
  - b. MAAI to start field survey work in two weeks.
  - c. MAAI to update P6.
3. BR 6 (PI 0013994): SR-136 over Coosawattee River, Gordon County
  - a. Long addressing Draft CTM comments.
  - b. CDM to update P6 schedule.
  - c. MAAI resubmitting HRSR after Ryan Jackson with OES expanded study area.
  - d. MAAI archeology field work scheduled for September 14, 2018.

cc: Attendees via Email



## Project Meeting Minutes

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**Projects:**      **GDOT BB #3**  
                    **PI 0014905, SR-1 BUS/US-27 over Cedar Creek, Polk County**  
                    **PI 0014906, SR-1/US-27 over Lake Creek, Polk County**  
                    **PI 0013994, SR-136 over Coosawattee River, Gordon County**

**Conference Call Date:**      October 4, 2018 @ 2:30 EST

**Attendees:**

Jordan Allen	Georgia DOT – NEPA
Sunshine Beba	Georgia DOT – NEPA
Anne Sexton	Georgia DOT – Ecology
Sara Kuhn	Georgia DOT – Ecology
Ty Sprayberry	Georgia DOT – Ecology
Mary D Best	Michael Baker
LN Manchi	Moreland Altobelli
Ronnie Joiner	Moreland Altobelli
Elizabeth Clappin	Moreland Altobelli
Bijay Niraula	Moreland Altobelli
David Abbott	Moreland Altobelli
Karen Hadley	CDM Smith
Jennifer Graff	CDM Smith
Jeff Henry	GDOT/AECOM
Gary Tillman	Long Engineering
Marc Thompson	Long Engineering

Minutes Prepared by Long Engineering, Inc.

---

Monthly conference call was held to discuss project status.

**General:** Original project NTP was delayed. Note that we are utilizing the accelerated schedule previously provided. The goal is to recover schedule by PFPR on each project.

**I. WELCOME AND INTRODUCTIONS.**

- a. List of attendees above.

**II. PROJECT DISCUSSION**

**1. BR 3 (PI 0014905): SR-1 BUS/US-27 over Cedar Creek, Polk County**

Survey (MAAI):

- Field work is 75% complete. Office work 60% complete. Survey submittal scheduled for mid-November.
- Field crews were on site the week of July 30, 2018 and observed no flooding on main roadway or houses.

Concept Report (Long):

- Draft Concept Team Meeting held on August 28, 2018. Preparing meeting minutes and addressing comments.
- Working on finalizing Concept Report.
- Scheduled to submit final Concept Report back to GDOT by 10-19-18.

NEPA/Traffic (MAAI): MAAI to make updates to TPRO and P6.

- Traffic – Approved.
- Ecology – ERSR submitted to GDOT 09-18-18. GDOT to send comments within the next two weeks.
- Bat Habitat Survey received on July 30, 2018.
- There are no concerns with aquatic species.
- History – HRSR submitted to GDOT on 09-26-18. Check with Madeline White's office for comments.
- Archeology – Field work currently ongoing and will be completed by 10-12-18. Expecting to submit the short report for. No sites found at this time.

**2. BR 4 (PI 0014906): SR-1/US-27 over Lake Creek, Polk County**

Survey (MAAI):

- Field work 65% complete.
- Started on office work.
- Property work not started yet.
- Database submission proposed for 12-15-18.

Concept Report (Long):

- Draft Concept Team Meeting held on August 28, 2018. Preparing meeting minutes and addressing comments.
- Working on finalizing Concept Report.
- Scheduled to submit final Concept Report back to GDOT by 10-12-18.

NEPA/Traffic (MAAI): MAAI to make updates to TPRO and P6.

- Traffic – Approved.
- Ecology - ERSR submitted to GDOT 10-01-18, GDOT comments by 10-31-18
- History – HRSR is complete and undergoing internal review, resource report will be submitted by 10-18-18.
- Archeology – Field work currently ongoing and will be completed by 10-12-18, report will be submitted by 11-7-18

### 3. BR 6 (PI 0013994): SR-136 over Coosawattee River, Gordon County

#### Survey (Long):

- Field work is 90% complete, Database is 80% complete, Office/CAD work is 60% complete.
- Anticipated delivery is October 22, 2018. Highwater in creeks from rains are slowing field work.

#### Concept Report (Long):

- Draft Concept Team Meeting held on August 28, 2018. Submitted Draft Concept Report on October 4.

#### Traffic (MAAI):

- Approved.

#### NEPA (CDM Smith):

- Ecology – ERSR submitted this week, submit back to GDOT by 11-01-18
- Aquatic not yet performed, CCR needs the approved list of target species.
- Final Bat Habitat Survey completed. To be discussed at the Environmental Workshop.

#### History/Archeology (MAAI):

- History – Ryan Jackson with OES requested and expanded survey area. Revision are being made and will be resubmitted by October 17. Awaiting SHPO concurrence.
- Archeology – Ongoing. Field work to be completed by 10-19-18 and report will be submitted by 11-14-18.

## I. ACTION ITEMS

1. BR 3 (PI 0014905): SR-1 BUS/US-27 over Cedar Creek, Polk County
  - a. Long to submit Draft Concept report by 10-19-18.
  - b. Field work and database preparation ongoing. MAAI to submit survey/database mid November 2018.
  - c. MAAI to receive comments from GDOT on ERSR within the next two weeks.
  - d. MAAI to check with GDOT Madeline White's office regarding HRSR comments.
  - e. MAAI to submit ASR short report by 11-07-18.
  - f. MAAI to update P6.
2. BR 4 (PI 0014906): SR-1/US-27 over Lake Creek, Polk County
  - a. Long to submit Draft Concept by 10-12-18.
  - b. MAAI to make first survey submittal mid-December.

- c. GDOT to provide comments on ERSR by October 31.
  - d. MAAI to submit HRSR by October 18.
  - e. MAAI to submit ASR short report by November 7.
  - f. MAAI to update P6.
3. BR 6 (PI 0013994): SR-136 over Coosawattee River, Gordon County
- a. GDOT to provide comments on ERSR by November 2.
  - b. MAAI to submit Database by October 22 and provide a percentage for survey processing before next meeting.
  - c. MAAI to resubmit ERSR by October 17.
  - d. MAAI to complete Archeology field work by October 19. Submit ASR short report by November 14.
  - e. CDM to update P6 schedule.

cc: Attendees via Email

# Bridge Inventory Data Listing Georgia Department of Transportation

Processed Date:4/8/2017

## Parameters: Bridge Serial Number

Bridge Serial Number: 233-0004-0

County: Polk

SUFF. RATING: 49.7

### Location & Geography

**Structure ID:** 233-0004-0

200 Bridge Information: 06

\*6 Feature Intersected: CEDAR CREEK TRIB

\*7A Route Number Carried: SR00001

\*7B Facility Carried: US 27 BUS/SR1

9 Location: .5 MI N SR 6 IN CEDARTOWN

2 GDOT District: 4841600000 - D6 District Six Cartersville

\*91 Inspection Frequency: 24 Date: 12/10/2015

92A Fracture Critical Insp. Freq: 0 Date: 02/01/1901

92B Underwater Insp Freq: 0 Date: 02/01/1901

92C Other Spc. Insp Freq: 0 Date: 02/01/1901

\* 4 Place Code: 14500

\*5A Inventory Route(O/U): 1

5B Route Type: 2 - U.S. Numbered

5C Service Designation: 5- Business

5D Route Number: 00027

5E Directional Suffix: 0. Not applicable

\*16 Latitude: 34 - 1.2504

\*17 Longitude: 85 - 15.1278

98A Border Bridge: 0 98B: GA% 00

99 ID Number: 000000000000000

\*100 STRAHNET: 0- The Feature is not a STRAHNET route.

12 Base Highway Network: Yes

13A LRS Inventory Route: 23310001

13B Sub Inventory Route: 0

101 Parallel Structure: N. No parallel structure exists

\*102 Direction of Traffic: 2- Two Way

\*264 Road Inventory Mile Post: 2.17

\*208 Inspection Area: Area 09

\*104 Highway System: 1-Inventory Route is on the NHS

\*26 Functional Classification: 14- Urban - Other Principal Arterial

\*204A Federal Route Type: F - Primary.

\*204B Federal Route Number: 00172

105 Federal Lands Highway: 0. Not applicable

\*110 Truck Route: 0- The Feature is not part of the National Network for Trucks

217 Benchmark Elevation: 0000.00

\* Location ID No: 233-00001B-002,17N

218 Datum: 0- Not Applicable

\*19 Bypass Length: 4

\*20 Toll: 3- On a Free Road or Non-Highway

\*21 Maintenance Responsibility: 01-State Highway Agency.

\*22 Owner: 01-State Highway Agency.

\*31 Design Load: 2- H 15

37 Historical Significance: 5- Not eligible for the National Register of Historic Places

205 Congressional District: 014

27 Year Constructed: 1938

106 Year Reconstructed: 1949

33 Bridge Median: 0-None

34 Skew: 0

35 Structure Flared: No

38 Navigation Control: 0- Navigation is not controlled by an Agency

213 Special Steel Design: 0- Not applicable or other

267A Type Paint Super Structure: 0- Not Applicable. Year : 0000

267B Type Paint Sub Structure: 0- Not Applicable Year : 0000

\*42A Type of Service On: 5-Highway-Pedestrian

\*42B Type of Service Under: 5-Waterway

214A Movable Bridge: 0

214B Operator on Duty: 0

203 Type Bridge: A- Spread footing. O. Concrete O. Concrete O. Concrete

259 Pile Encasement: 3

\*43A Structure Type Main material: 1-Concrete

\*43B Structure Type Main Type: 4-Tee Beam

45 Number of Main Spans: 1

44 Structure Type Approach: A:0- Other B: 0- Other

46 Number of Approach Spans: 0

226 Bridge Curve: A: Vertical: NoB: Horizontal: No

111 Pier Protection: N - Navigation Control item coded 0, or Feature not a waterway

107 Deck Structure Type: 1 - C-I-P Portland Cement Concrete - Epoxy Coated Rebars

108A Wearing Surface Type: 6. Bituminous

108B Membrane Type: 0. None

108C Deck Protection: 0. None

265 Underwater Inspection Area: 0

### Signs & Attachments

225 Expansion Joint Type: 02- Open or sealed concrete joint (silicone sealant).

242 Deck Drains: 1- Open Scuppers.

243A Parapet Location: 0- None present.

243B Parapet Height: 0.00

243C Parapet Width: 0.00

238A Curb Height: 0.7

238B Curb Material: 1- Concrete.

239A Handrail Left: 1- Concrete.

239B Handrail Right: 1- Concrete.

\*240 Median Barrier Rail: 0- None.

241A Bridge Median Height: 0

241B Bridge Median Width: 0

\*230A Guardrail Location Direction Rear: 0- None.

\*230B Guardrail Location Direction Fwd: 0- None.

\*230C Guardrail Location Opposing Rear: 0- None.

\*230D Guardrail Location Opposing Fwd: 0- None.

244 Approach Slab: 3- Forward and Rear.

224 Retaining Wall: 1- Cast-in-Place Concrete.

233 Posted Speed Limit: 35

236 Warning Sign: No

234 Delineator: Yes

235 Hazard Boards: Yes

237A Gas: 31- Side Left.

237B Water: 21- Bottom Left.

237C Electric: 00- Not Applicable

237D Telephone: 00- Not Applicable

237E Sewer: 00- Not Applicable

247A Lighting: Street: No

247B Navigation: No

247C Aerial: No

\*248 County Continuity No.: 14

36A Bridge Railings: 2- Inspected feature meets acceptable construction date standards.

36B Transition: 0- Does not meet standards

36C Approach Guardrail: 0- Does not meet standards

36D Approach Guardrail Ends: 0- Does not meet standards



# Bridge Inventory Data Listing Georgia Department of Transportation

Processed Date:4/8/2017

Bridge Serial Number: 233-0004-0

County: Polk

SUFF. RATING: 49.7

## Programming Data

201 Project Number: F-165 (6)  
 202 Plans Available: 4- Plans in Infolmage.  
 249 Proposed Project Number: 000000000000000000000000  
 250A Reconstruction Approval Status: No  
 250B Route Approval Status: No  
 250C Approval Status Definition: 0  
 250D Approval Status Federal: 0  
 251Project Identification Number: 0000000  
 252 Contract Date: 02/01/1901  
 260 Seismic Number: 00000  
 75A Type Work Proposed: 0- Not Applicable  
 75B Work Done by: 0- Initial Inventory  
 94 Bridge Improvement Cost:(X\$1,000) \$169  
 95 Roadway Improvement Cost: (X\$1,000) \$17  
 96 Total Improvement Cost: (X\$1,000) \$254  
 76 Improvement Length: 0.0'  
 97 Year Improvement Cost Based On: 2013  
 114 Future AADT: 22005  
 115 Future AADT Year: 2032

## Hydraulic Data

113 Scour Critical: U. No Load Rating; no scour critical data entered.  
 216A Water Depth: 0.6  
 216B Bridge Height: 8.9  
 222 Slope Protection: 0  
 221A Spur Dike Rear:  
 221B Spur Dike Fwd:  
 219 Fender System: 0- None.  
 220 Dolphin:  
 223A Culvert Cover: 000  
 223B Culvert Type: 0- Not Applicable  
 223C Number of Barrels: 0  
 223D Barrel Width: 0.0  
 223E Barrel Height: 0.0  
 223F Culvert Length: 0.0  
 223G Culvert Apron: 0  
 39 Navigation Vertical Clearance: 0'  
 40 Navigation Horizontal Clearance: 0  
 116 Navigation Vertical Clear Closed: 0

## Measurements:

\*29 AADT: 14670  
 \*30 AADT Year: 2012  
 109 % Truck Traffic: 1  
 \* 28A Lanes On: 3  
 \*28B Lanes Under: 0  
 210A Tracks On: 00  
 210B Tracks Under: 0  
 \* 48 Maximum Span Length: 34  
 \* 49 Structure Length: 34  
 51 Bridge Roadway Width: 39.800000000000004'  
 52 Deck Width: 52.0'  
 \* 47 Total Horizontal Clearance: 39.800000000000004'  
 50A Curb / Sidewalk Width Left: 5.0  
 50B Curb / Sidewalk Width Right: 5.0  
 32 Approach Rdwy. Width: 40.0'  
**\*229 Approach Roadway**  
*Rear Shoulder Left: Width:* 0 *Right Width:*0.0 *Type:* 7 - None.  
*Fwd Shoulder: Left Width:* 0 *Right Width:*0.0 *Type:* 7 - None.  
*Rear Pavement: Width:* 39.800000000000004 *Type:*2- Asphalt.  
*Forward Pavement: Width:* 39.800000000000004 *Type:*2- Asphalt.  
*Intersection Rear:* 1 *Forward:*1  
 53 Minimum Vertical Clearance Over Rd: 99' 99"  
 54A Under Reference Feature: N- Feature not a highway or railroad.  
 54B Minimum Clearance Under: 0' 0"  
**\*228 Minimum Vertical Clearance**  
*228A Actual Odometer Direction:* 99'99"  
*228B Actual Opposing Direction:* 99'99"  
*228C Posted Odometer Direction:* 00'00"  
*228D Posted Opposing Direction:* 00'00"  
 55A Lateral Underclearance Reference: N- Feature not a highway or railroad.  
 55B Lateral Underclearance on Right: 0.0  
 56 Lateral Underclearance on Left: 0.0  
 10A Direction of Travel for Max Min: 0  
 10B Max Min Vertical Clearance: 99'99"  
 245A Deck Thickness Main: 6.8  
 245B Deck Thickness Approach: 0.0  
 246 Overlay Thickness: 5

## Ratings and Posting

65 Inventory Rating Method: 1-Load Factor (LF)  
 63 Operating Rating Method: 1-Load Factor (LF)  
 66A Inventory Type: 2 - HS loading.  
 66B Inventory Rating: 24  
 64A Operating Type: 2 - HS loading.  
 64B Operating Rating: 41  
**231Calculated Loads** **Posting Required**  
*231A H-Modified:* 21 No  
*231B Type3/Tandem:* 22 No  
*231C Timber:* 31 No  
*231D HS-Modified:* 27 No  
*231E Type 3S2:* 36 No  
*231F Piggyback:* 40 No  
 261 H Inventory Rating: 19  
 262 H Operating Rating: 31  
 67 Structural Evaluation: 5  
 58 Deck Condition: 7 - Good Condition  
 59 Superstructure Condition: 5 - Fair Condition  
 \* 227 Collision Damage:  
 60A Substructure Condition: 6 - Satisfactory Condition  
 60B Scour Condition: 6 - Satisfactory Condition  
 60C Underwater Condition: N - Not Applicable  
 71 Waterway Adequacy: 8-Equal to present desirable criteria.  
 61 Channel Protection Cond.: 8-Equal to present desirable criteria.  
 68 Deck Geometry: 4  
 69 UnderClr. Horz/Vert: N  
 72 Approach Alignment: 8-No reduction of vehicle operating speed required.  
 62 Culvert: N - Not Applicable  
 70 Bridge Posting Required: 5. Equal to or above legal loads  
 41 Struct Open, Posted, CL: A. Open, no restriction  
 \* 103 Temporary Structure: No  
**232 Posted Loads**  
*232A H-Modified:* 00  
*232B Type3/Tandem:* 00  
*232C Timber:* 00  
*232D HS-Modified:* 00  
*232E Type 3s2:* 00  
*232F Piggyback:* 00  
 253 Notification Date: 02/01/1901  
 258 Federal Notify Date: 02/01/1901